

METHOD AND DEVICE FOR SHIFTING OF A GEARBOX

Abstract

The invention relates to a method for up-shifting of an automatic or semiautomatic gearbox which is connected to an engine equipped with an additional engine brake, which method comprises determining an expected value of the speed derivative (ESG_e) of said engine during said gear-shifting. The invention is characterized in that said method comprises measuring the speed derivative (ESG_m) of the engine during said gear-shifting (21), calculation of a difference value which corresponds to the difference between the measured value of the speed derivative (ESG_m) and the expected value of the speed derivative (ESG_e), and updating the expected value of the speed derivative (ESG_e) to a new value which more closely corresponds to said measured value of the speed derivative (ESG_m) if said difference value exceeds a predetermined threshold value (x). The invention also relates to a device for such engine braking. By means of the invention, an adaptation of a parameter is obtained regarding the speed derivative of the engine during a gearshifting process so that gearshifts can be

carried out with optimal performance of the engine.